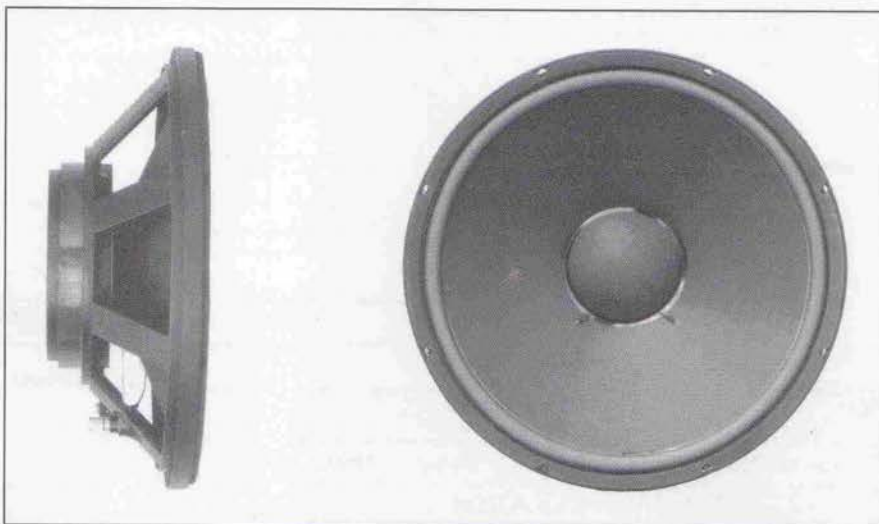


15" - PAPER CONE DRIVER - 380 mm

PROFESSIONAL LINE

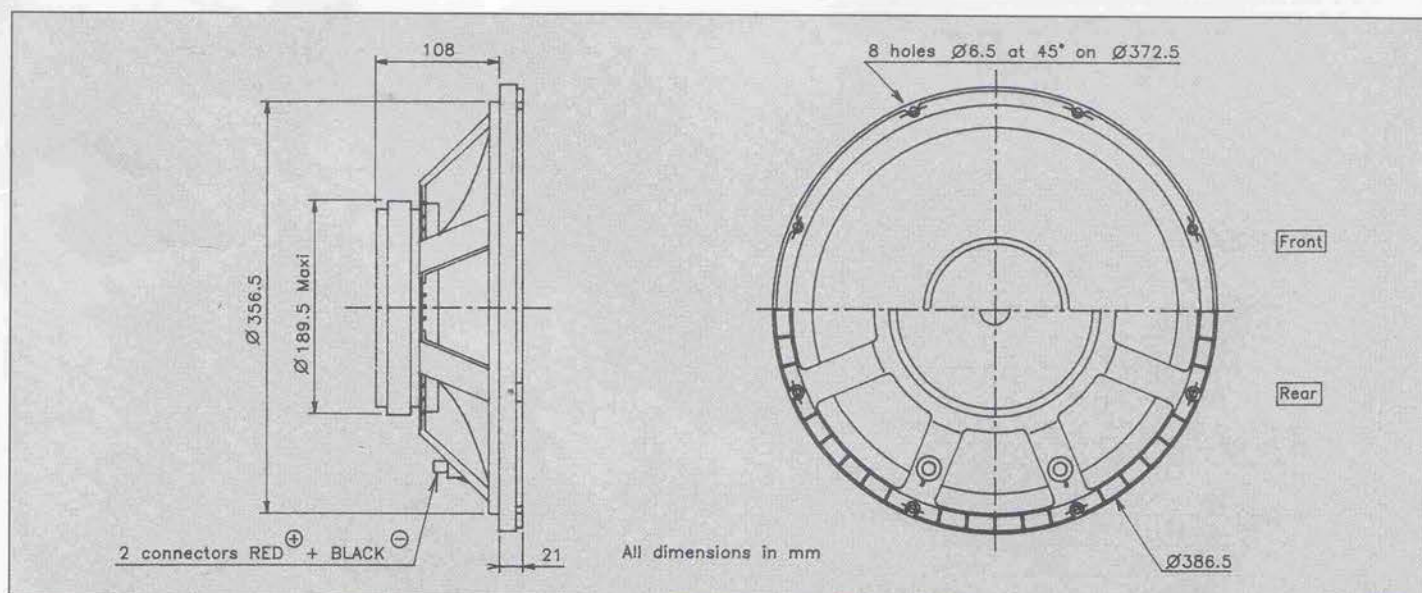
Very high efficiency - 100 dB
High power 150 W
Foam suspension
Ultra stiff die cast chassis
Heat sink design
Vented pole piece
Kapton voice coil former (70 mm Ø)
Gold plated binding post

Très haut rendement - 100dB
Puissance élevée 150 W
Suspension mousse
Châssis moulé ultra-rigide
Ailettes de refroidissement - Noyau ventilé
Bobine sur support Kapton (Ø 70 mm)
Fil cuivre plat sur chant
Bornes plaquées or



This 15" Woofer is especially designed for high quality studio monitoring systems and offers large excursion capabilities for deep bass (Large half-roll foam surround). Mounted in a QB3 alignment vented box, the system can produce strong, distortion free bass down to 30 Hz. The large magnet has a vented pole piece and is heatsinked to the Zamak chassis to maximize heat dissipation. A long, flat, edgewound copper wire voice coil is mounted onto a fiberglass reinforced Kapton former for exceptional power handling. Gold plated binding posts fitted onto the Ultra stiff die cast chassis are designed to accept large diameter cables. The "suggested applications" charts indicate various driver loads. The response curves shown on the diagram indicate the predicted low end response of the driver in the suggested box volume (Vb) with suggested port (Dp-Lp).

Ce haut-parleur de grave de 380 mm est particulièrement destiné à une utilisation en studio monitor. La suspension demi-rouleau en mousse permettant de grandes elongations est associée à une bobine longue sur support Kapton renforcé fibre de verre à fil de cuivre plat sur chant. Le saladier à ailettes de refroidissement ainsi que le noyau ventilé permettent une dissipation optimale de la chaleur. Il en résulte un rendu des graves sans distorsion jusqu'à 30 Hz avec un alignement QB3. Le châssis Zamak moulé est équipé de bornes plaquées or permettant l'utilisation de câbles de forte section. Le tableau "Suggested applications" indique différents types de charge. Les courbes publiées correspondent à la réponse dans le grave pour un volume (Vb) et une dimension d'évent donnée (Dp-Lp).



RESPONSE CURVE

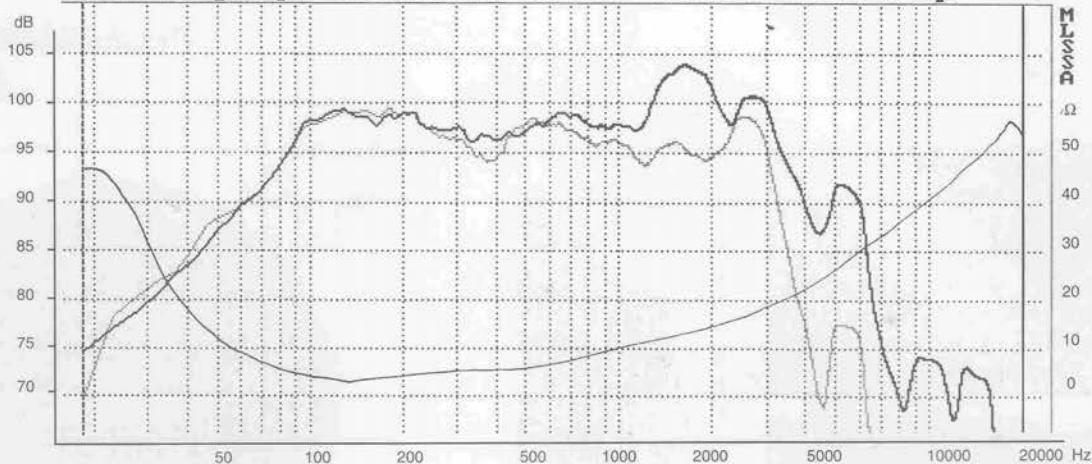
refer to page 16

Sensitivity Mag - dB SPL/watt (8.0 ohm load) (0.33 oct)(eq)

RESPONSE CURVE :

— on axis
— 30° off-axis
On IEC baffle

IMPEDANCE CURVE



COURBE DE REPONSE

— dans l'axe
— à 30 °
Sur baffle CEI

COURBE D'IMPEDANCE

SPECIFICATIONS

Technical Characteristics	Symbol	Value	Units
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PRIMARY APPLICATION

Nominal Impedance	Z	8	Ω
Resonance Frequency	Fs	20	Hz
Nominal Power Handling	P	150	W
Sensitivity	E	98	dB

VOICE COIL

Voice coil diameter	Ø	70	mm
Minimum Impedance	Zmin	7	Ω
DC Resistance	Re	6,1	Ω
Voice Coil Inductance	Lbm	0,74	mH
Voice coil Length	h	14,6	mm
Former	-	Kapton	-
Number of layers	n	1	-

MAGNET

Magnet dimensions	Ø x h	184 x 20	mm
Magnet weight	m	1,91	kg
Flux density	B	1,2	T
Force factor	BL	19,2	NA ⁻¹
Height of magnetic gap	He	7	mm
Stray flux	Fmag	-	Am ⁻¹
Linear excursion	Xmax	±3,8	mm

PARAMETERS

Suspension Compliance	Cms	0,62.10 ⁻³	mN ⁻¹
Mechanical Q Factor	Qms	4,83	-
Electrical Q Factor	Qes	0,23	-
Total Q Factor	Qts	0,22	-
Mechanical Resistance	Rms	3	kg s ⁻¹
Moving Mass	Mms	115.10 ⁻³	kg
Effective Piston Area	S	9,0.10 ⁻²	m ²
Volume Equivalent of Air at Cas	Vas	710.10 ⁻³	m ³
Mass of speaker	M	7,8	kg

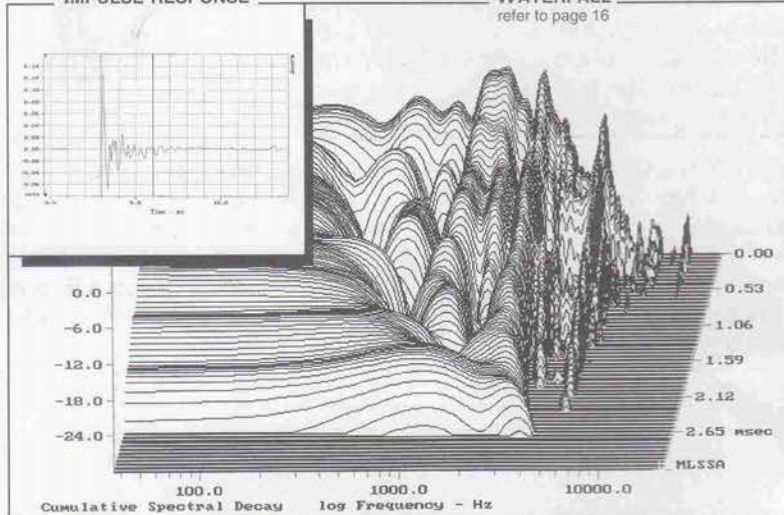
APPLICATION PARAMETERS

Vb	Box volume	dm ³
Fb	Tuning frequency	Hz
Dp	Port diameter	cm
Lp	Port length	cm

IMPULSE RESPONSE

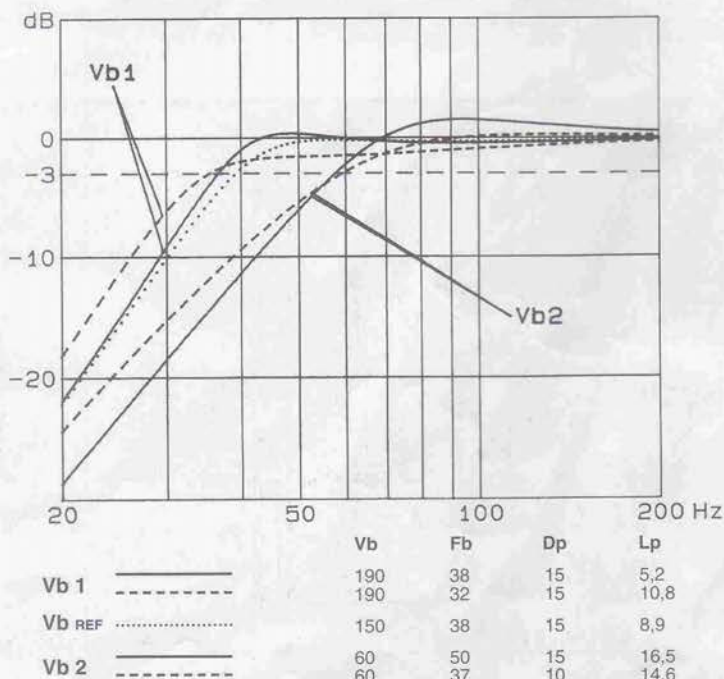
WATERFALL

refer to page 16



SUGGESTED APPLICATIONS

refer to page 8 to 13



Please refer to method of measurement and measurement conditions pages 15 to 19.

Audax may, without prior notification modify the specifications on its products further to research and development requirements.